



**PAT ENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No. : 10/572,953  
Confirmation No. : 4797  
Applicant : Dietmar Birgel et al.  
Filed : March 22, 2006  
Title : Circuit Board with holding mechanism for holding  
wired electronic components, method for  
manufacture of such a circuit board and their  
use in a soldering oven  
TC/A.U. : 2833  
Examiner : T. S. Chambers  
Docket No. : BIRG3005/FJD  
Customer No. : 23364

**ASSENT AND STATEMENT OF THE ASSIGNEE TO  
CORRECTION OF INVENTORSHIP  
(37 C.F.R. § 1.48 (a) and 37 C.F.R. § 3.73 (b))**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22314

Sir:

The assignee of the above-noted application, Endress + Hauser GMBH + Co. KG of Hauptstrasse 1, Maulburg, Germany, as indicated in the recorded assignment recorded at Reel: 018985 and Frame: 0498 on February 21, 2007, hereby assents to the correction of inventorship being filed on even date herewith.

This ASSENT is being filed by the undersigned counsel on the authorization of the assignee, Endress + Hauser.

A copy of the Notice of Recordation of the assignment issued by the USPTO is attached hereto, as well as a copy of the assignment from Messrs. Bensch, Harder, Kiefer and Weinhold to Endress + Hauser GmbH + Co. KG

08/09/2010 SMOHAMME 00000071 10572953

which is being filed today for recordation.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Felix J. D'Ambrosio', with a long horizontal flourish extending to the right.

Felix J. D'Ambrosio  
Reg. No. 25,721

Date: August 5, 2010

BACON & THOMAS, PLLC  
625 Slaters Lane - 4<sup>th</sup> Floor  
Alexandria, VA 22314  
Tel: (703) 683-0500  
Fax: (703) 683-1080

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REQUEST AND FEE TO ADD TO ORIGINAL ERRONEOUSLY  
NAMED INVENTORS IN DECLARATION  
(37 C.F.R. § 1.48 (a))

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22314

Sir:

This amendment and request is to correct the incorrect original naming of inventor(s) in the declaration under 37 C.F.R. § 1.48(a) as set forth and filed on February 21, 2007.

Please add the following previously incorrectly named inventor(s) of this application:

Andreas Bensch, German citizen, of Eisenbahnstrasse 11, 79650  
Schopfheim-Fahrnau, Germany;

Herbert Harder, German citizen, of Königsberger Strasse 16, 79689  
Maulburg, Germany;


Andreas Kiefer, German citizen, of Friedenstrasse 10, 79650  
Schopfheim-Fahrnau, Germany;

Klaus Peter Reinhold, German citizen, of Brisengasse 4, 79618  
Rheinfelden-Minseln, Germany.

Attached are:

- 1) a statement from each person being added as an inventor that the error in inventorship occurred without deceptive intent on his part;
- 2) a declaration by each of the actual inventors as required by 37 C.F.R. § 1.63;
- 3) the written assent and statement of the assignee; and
- 4) a check as required in the amount of: \$130.00

Respectfully submitted,

  
Felix G. D'Ambrosio  
Reg. No. 25,721

Date: August 5, 2010

BACON & THOMAS, PLLC  
625 Slaters Lane - 4<sup>th</sup> Floor  
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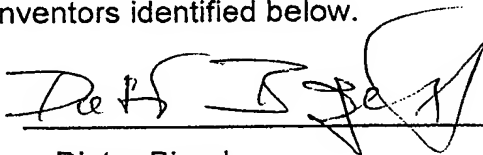
STATEMENT UNDER 37 C.F.R. § 1.48 (a)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

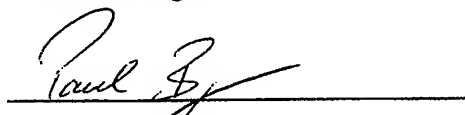
Sir:

The undersigned hereby assert that the error in not including Messrs. Andreas Bensch, Herbert Harder, Andreas Kiefer and KlausPeter Weinhold as an inventor in the invention disclosed and claimed in the above-noted application was made without any deceptive intent on the part of any of the inventors identified below.

Date: 15.01.2010

  
Dieter Birgel

Date: 15.01.2010

  
Paul Burger

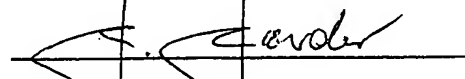
Date: 22.12.2009

  
Karl-Peter Hauptvogel

Date: 26.11.2009

  
Andreas Bensch

Date: 24.11.09

  
Herbert Harder

Application No. 10/572,953

Filed: February 21, 2007

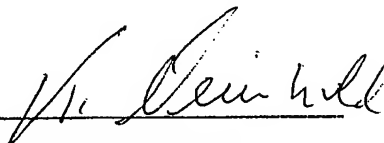
For: Circuit Board with holding mechanism

-----soldering over

Date: 24.11.2009

  
\_\_\_\_\_  
Andreas Kiefer

Date: 28.12.2005

  
\_\_\_\_\_  
Klaus Peter Weinhold

AUG 06 2010

AUG 06 2010

## DECLARATION FOR PATENT APPLICATION AND APPOINTMENT OF ATTORNEY

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name; I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention (Design, if applicable).

## CIRCUIT BOARD WITH HOLDING MECHANISM FOR HOLDING WIRED ELECTRONICS COMPONENTS, METHOD FOR MANUFACTURING OF SUCH A CIRCUIT BOARD AND THEIR USE IN A SOLDERING OVEN

the specification of which (check one):

☐ is attached hereto, or ☒ was filed on: **February 21, 2007**

as U.S. Application Number or PCT

International Application Number: **10/572,953**and (if applicable) was amended on: **March 21, 2006**

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in *Title 37, Code of Federal Regulations, §1.56*. I hereby claim foreign priority benefits under *Title 35, United States Code §119* of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

PRIOR FOREIGN APPLICATION(S)			PRIORITY CLAIMED	
Number	Country	Day/Month/Year Filed	Yes	No
DE 10344261.8	Germany	23/09/2003	X	

☐ Additional Priority Application(s) Listed on Following Page(s)

I HEREBY CLAIM THE BENEFIT UNDER TITLE 35 U.S. CODE §119(E) OF ANY U.S. PROVISIONAL APPLICATIONS LISTED BELOW.	
Application Number	Day/Month/Year Filed

☐ Additional Provisional Application(s) Listed on Following Page(s)

I hereby claim the benefit under *Title 35, United States Code, §120* of any United States application(s) or PCT international application(s) designating The United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of *Title 35, United States Code, §112*, I acknowledge the duty to disclose information which is material to patentability as defined in *Title 37, Code of Federal Regulations, §1.56* which became available between the filing date of the prior application(s) and the national or PCT international filing date of this application:

Application Number	Filing Date	Status - Patented, Pending or Abandoned
PCT/EP2004/010524	20/09/2004	

☐ Additional US/PCT Priority Application(s) listed on Following Page(s)

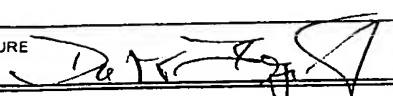
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under *section 1001 of title 18 of the United States Code* and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: I (We) hereby appoint as my (our) attorneys, with full powers of substitution and revocation, to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: J. Ernest Kenney, Reg. No. 19,179; Eugene Mar, Reg. No. 25,893; Richard E. Fichter, Reg. No. 26,382; Thomas J. Moore, Reg. No. 28,974; Eric S. Spector, Reg. No. 22,495; Felix J. D'Ambrosio, Reg. No. 25,721; George A. Loud, Reg. No. 25,814; Benjamin E. Urcia, Reg. No. 33,805; and

I (we) authorize my (our) attorneys to accept and follow instructions from \_\_\_\_\_ regarding any matter related to the preparation, examination, grant and maintenance of this application, any continuation, continuation-in-part or divisional based thereon, and any patent resulting therefrom, until I (we) or my (our) assigns withdraw this authorization in writing.

Send correspondence to: **BACON & THOMAS, PLLC**  
625 Slaters Lane - 4th Floor  
Alexandria, VA 22314-1176

Telephone Calls to: (703) 683-0500

FULL NAME OF FIRST OR SOLE INVENTOR <b>Dietmer Birgel</b>	CITIZENSHIP <b>German</b>
RESIDENCE ADDRESS <b>Blumenweg 10, D-79650 Schopfheim, Germany</b>	POST OFFICE ADDRESS IS THE SAME AS RESIDENCE ADDRESS UNLESS OTHERWISE SHOWN BELOW
DATE <b>16/07/2010</b>	SIGNATURE 

☐ See following page(s) for additional joint inventors.

## CONTINUATION OF DECLARATION FOR PATENT APPLICATION AND APPOINTMENT OF ATTORNEY

Page 2

PRIOR FOREIGN APPLICATION(S) (35 USC §119)			PRIORITY CLAIMED	
Number	Country	Day/Month/Year Filed	Yes	No

PRIOR PROVISIONAL APPLICATIONS 35 U.S. CODE §119(E)	
Application Number	Day/Month/Year Filed

PRIOR U.S. OR PCT INTERNATIONAL APPLICATIONS (35 U.S. CODE §120)		
Application Number	Filing Date	Status - Patented, Pending or Abandoned

FULL NAME OF JOINT INVENTOR Karl-Peter Hauptvogel	CITIZENSHIP German
RESIDENCE ADDRESS Rue des Violettes 4, F-68870 Bartenheim, France	POST OFFICE ADDRESS IS THE SAME AS RESIDENCE ADDRESS UNLESS OTHERWISE SHOWN BELOW
DATE 16/07/2010	SIGNATURE Karl-Peter Hauptvogel

FULL NAME OF JOINT INVENTOR Paul Burger	CITIZENSHIP German
RESIDENCE ADDRESS Hans-Vetter-strasse 167, D-79650, Schopfheim, Germany	POST OFFICE ADDRESS IS THE SAME AS RESIDENCE ADDRESS UNLESS OTHERWISE SHOWN BELOW
DATE 19/07/2010	SIGNATURE Paul Burger

FULL NAME OF JOINT INVENTOR Andreas Bensch	CITIZENSHIP German
RESIDENCE ADDRESS Eisenbahnstrasse 11, 79650 Schopfheim-Fahrnau, Germany	POST OFFICE ADDRESS IS THE SAME AS RESIDENCE ADDRESS UNLESS OTHERWISE SHOWN BELOW
DATE 01.07.2010	SIGNATURE Andreas Bensch

FULL NAME OF JOINT INVENTOR Herbert Harder	CITIZENSHIP German
RESIDENCE ADDRESS Konigberger Strasse 16, 79689 Maulburg, Germany 01.07.2010	POST OFFICE ADDRESS IS THE SAME AS RESIDENCE ADDRESS UNLESS OTHERWISE SHOWN BELOW
DATE	SIGNATURE Herbert Harder

☐ See following pages for additional joint inventors/priority applications.



## CONTINUATION OF DECLARATION FOR PATENT APPLICATION AND APPOINTMENT OF ATTORNEY

Page 3

PRIOR FOREIGN APPLICATION(S) (35 USC §119)			PRIORITY CLAIMED	
Number	Country	Day/Month/Year Filed	Yes	No

PRIOR PROVISIONAL APPLICATIONS 35 U.S. CODE §119(E)	
Application Number	Day/Month/Year Filed

PRIOR U.S. OR PCT INTERNATIONAL APPLICATIONS (35 U.S. CODE §120)		
Application Number	Filing Date	Status - Patented, Pending or Abandoned

FULL NAME OF JOINT INVENTOR Andreas Kiefer	CITIZENSHIP German
RESIDENCE ADDRESS Friedenstrasse 10, 79650 Schopfheim-Fahrnau, Germany	POST OFFICE ADDRESS IS THE SAME AS RESIDENCE ADDRESS UNLESS OTHERWISE SHOWN BELOW
DATE 01.07.2010 ✓	SIGNATURE Andreas Kiefer ✓

FULL NAME OF JOINT INVENTOR Klaus Peter Weinhold	CITIZENSHIP German
RESIDENCE ADDRESS Brisengasse 4, 79618 Rheinfelden-Minseln, Germany	POST OFFICE ADDRESS IS THE SAME AS RESIDENCE ADDRESS UNLESS OTHERWISE SHOWN BELOW
DATE 03.07.2010 ✓	SIGNATURE Klaus-Peter Weinhold

FULL NAME OF JOINT INVENTOR	CITIZENSHIP
RESIDENCE ADDRESS	POST OFFICE ADDRESS IS THE SAME AS RESIDENCE ADDRESS UNLESS OTHERWISE SHOWN BELOW
DATE	SIGNATURE

FULL NAME OF JOINT INVENTOR	CITIZENSHIP
RESIDENCE ADDRESS	POST OFFICE ADDRESS IS THE SAME AS RESIDENCE ADDRESS UNLESS OTHERWISE SHOWN BELOW
DATE	SIGNATURE

☐ See following pages for additional joint inventors/priority applications.



UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

PTAS

BACON & THOMAS, PLLC  
625 SLATERS LANE  
FOURTH FLOOR  
ALEXANDRIA, VA 22314



\*103378288A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 02/21/2007

REEL/FRAME: 018985/0498  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
BIRGEL, DIETMAR

DOC DATE: 06/21/2006

ASSIGNOR:  
HAUPTVOGEL, KARL-PETER

DOC DATE: 06/30/2006

ASSIGNOR:  
BURGER, PAUL

DOC DATE: 07/03/2006

ASSIGNEE:  
ENDRESS + HAUSER GMBH + CO. KG  
HAUPTSTRASSE 1  
MAULBURG, GERMANY 79689



018985/0498 PAGE 2

SERIAL NUMBER: 10572953

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

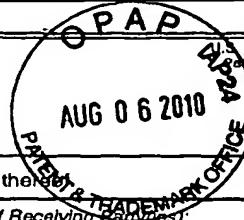
TITLE: CIRCUIT BOARD WITH HOLDING MECHANISM FOR HOLDING WIRED ELECTRONIC  
COMPONENTS METHOD FOR MANUFACTURE OF SUCH A CIRCUIT BOARD AND THEIR  
USE IN A SOLDERING OVEN

SHARON BROOKS, EXAMINER  
ASSIGNMENT SERVICES BRANCH  
PUBLIC RECORDS DIVISION

03-06-2007



103378288

U.S. Department of Commerce  
Patent and Trademark Office

To the Commissioner for Patents. Please

copies thereof

## 1. Name of Conveying Party(ies):

Dietmar Birgel  
Karl-Peter Hauptvogel  
Paul Burger☐ Additional names of conveying parties attached.

## 3. Nature of Conveyance:

- ☒ Assignment      ☐ Merger  
☐ Security Agreement      ☐ Change of Name  
☐ Other:

Execution Date: June 21, 30 and July 3, 2006

## 4. (A) Patent Application Number(s):

10/572,953

If this document is being filed together with a new application, the execution date of the application is:

☐ Additional Numbers Attached

## 5. Name and Address of Party to whom Correspondence Concerning this Document Should be Mailed:

Name: Felix J. D'Ambrosio

Address: 23364

Customer Number  
Phone: (703) 683-0500Total Number of Applications and  
Patents Involved:

1

7. Total Fee:  
(37 CFR 3.41)

\$40.00

☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit Account Number:

02-0200

ATTACH DUPLICATE COPY OF THIS PAGE IF PAYING BY DEPOSIT ACCOUNT

DO NOT USE THIS SPACE

## 9. Statement and Signature:

*To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.*

Felix J. D'Ambrosio

Name of Person Signing

Signature

February 21, 2007

Date

Total number of pages including cover sheet, attachments and document: 3

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# ASSIGNMENT

WHEREAS, I (we), Andreas Bensch, Herbert Harder, Andreas Kiefer and Klaus Peter Weinhold  
whose post office address(es) appear(s) below, hereinafter referred to as ASSIGNOR, is(are) the owner of certain new and useful  
improvements in

CIRCUIT BOARD WITH HOLDING MECHANISM FOR HOLDING WIRED ELECTRONIC COMPONENTS, METHOD FOR  
MANUFACTURING OF SUCH A CIRCUIT BOARD AND THEIR USE IN A SOLDERING OVEN

(hereinafter referred to as the INVENTION) for which an application for United States Letters Patent was

☐ executed on even date herewith

☐ executed on:

☒ filed on: February 21, 2007

Appln. No.: 10/572,953

☐ established by PCT International Patent Application No.:  
designating the United States of America

filed:

WHEREAS, Endress + Hauser GMBH + Co. KG

whose post office address is Hauptstrasse 1, Maulburg, Germany 79689

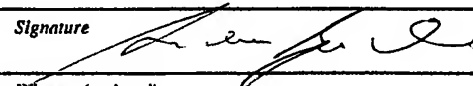
hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to the same in the United States;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I (we), ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEE, the entire right, title, and interest in and to said INVENTION and application throughout the United States of America, including any and all Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) in the United States for said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said INVENTION, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE'S expense, to identify and communicate to ASSIGNEE at ASSIGNEE'S request documents and information concerning the INVENTION that are within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR'S obligations under this instrument shall extend to ASSIGNOR'S heirs, executors, administrators and other legal representatives.

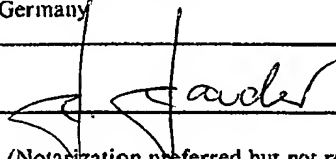
ALSO, ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE'S sole use and behoof; and for the use and behoof of ASSIGNEE'S legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

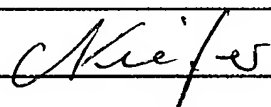
ASSIGNOR authorizes any member of the firm of *Bacon & Thomas, PLLC* to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office.


Assignor Name Andreas Bensch	Address Eisenbahnstrasse 11, 79650 Schopfheim-Fahrnau Germany
Where Signed	Signature 
Date 24.11.2007	Witness (optional)
Witness (optional)	Print/Type Name
Print/Type Name	Signature

☒ Continued on Next Page

**ASSIGNMENT**Page: 2

Assignor Name Herbert harder	Address Königsberger Strasse 16, 79689 Maulburg, Germany
Where Signed	Signature 
Date 24.11.09	(Notarization preferred but not required)
_____ SS. Before me personally appeared said _____ and acknowledged this instrument to be his (her) free act and deed this _____ day of _____, 19____.	
_____ Notary Public My Commission Expires: _____	

Assignor Name Andreas Kiefer	Address Friedenstrasse 10, 79650 Schopfheim-Fahrnau Germany
Where Signed	Signature 
Date 24.11.2009	(Notarization preferred but not required)
_____ SS. Before me personally appeared said _____ and acknowledged this instrument to be his (her) free act and deed this _____ day of _____, 19____.	
_____ Notary Public My Commission Expires: _____	

Assignor Name Klaus Peter Weinhold	Address Brisengasse 4, 79618 Rheinfelden-Minseln, Germany
Where Signed	Signature 
Date 28.12.2009	(Notarization preferred but not required)
_____ SS. Before me personally appeared said _____ and acknowledged this instrument to be his (her) free act and deed this _____ day of _____, 19____.	
_____ Notary Public My Commission Expires: _____	

☐ Continued on Next Page